

List of All Chemicals

P Anisomeles malabarica (Lamiaceae)

Common name(s)

Malabar Catmint

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Part	Low PPM	High PPM	StdDev	*Reference
ANISOMELIC-ACID	Plant	--	--		Wealth of India.
Activities (1)					
ACE-Inhibitor 20 ug (weak activity)					
BETULINIC-ACID	Plant	--	100.0	-0.63	Pavannasasivam, G., & M.U.S. Sultanbawa. 1974. Betulinic acid in the Dilleniaceae and a review of its natural distribution. Phytochem. 13:2002-2006.
Activities (22)					
Anthelmintic					
AntiHIV EC50=2.0 ug/ml					Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.
AntiHIV IC50=6.5 ug/ml					
AntiHIV 14.8 uM					
Antibacterial					
Anticancer					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Anticarcinomic					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiedemic					
Antiinflammatory					Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. Planta Medica, 61: 9.
Antileukemic					
Antimalarial IC50=19-26 ug/ml					
Antimelanomic					New York Times, 3/28/95.
Antinociceptive					
Antiplasmoidal IC50=19-26 ug/ml					
Antitumor					Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiviral 14.8 uM					
Apoptotic					
Cytotoxic 50-100 ppm					Biosyn. Prod. Cancer Chemotherapy (Petit et al)
Cytotoxic 16.4 uM					
Phospholipase-A2-Inhibitor					
Prostaglandin-Synthesis-Inhibitor 200 ug/ml					Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L. 1998. Alphitol, a Phenolic Substance from <i>Alphitonia zizyphoides</i> which Inhibits Prostaglandin Biosynthesis in vitro. Phytochemistry, 48(3): 495-497.
Prostaglandin-Synthesis-Inhibitor IC50=101 uM					Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from <i>Menyanthes trifoliata</i> L. Yao Hsueh Hsueh Pao, 30(8): 621-626.
BETULINIC-ACID	Plant	--	100.0	-0.63	Jim Duke's personal files.

Activities (22)

Anthelmintic

AntiHIV EC50=2.0 ug/ml

Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.

AntiHIV IC50=6.5 ug/ml

AntiHIV 14.8 uM

Antibacterial

Anticancer

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Anticarcinomic

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Antiedemic

Antiinflammatory

Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from *Diospyros leucomelas**. Planta Medica, 61: 9.

Antileukemic

Antimalarial IC50=19-26 ug/ml

New York Times, 3/28/95.

Antimelanomic

Antinociceptive

Antiplasmodial IC50=19-26

ug/ml

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Antitumor

Antiviral 14.8 uM

Apoptotic

Cytotoxic 50-100 ppm

Biosyn. Prod. Cancer Chemotherapy (Petit et al)

Cytotoxic 16.4 uM

Phospholipase-A2-Inhibitor

Prostaglandin-Synthesis-

Inhibitor 200 ug/ml

Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L. 1998. Alphitol, a Phenolic Substance from *Alphitonia zizyphoides* which Inhibits

Prostaglandin Biosynthesis in vitro. Phytochemistry, 48(3): 495-497.

Prostaglandin-Synthesis-

Inhibitor IC50=101 uM

Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from *Menyanthes trifoliata* L. Yao Hsueh Hsueh Pao, 30(8):

621-626.

CITRAL	Plant	--	--	Wealth of India.
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Activities (53)

Allergenic					
Antiallergenic					
Antiallergic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Antianaphylactic					
Antibacterial					
Anticancer					
Antihelicobacter					
Antiherpetic					
Antihistaminic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Antiinflammatory					
Antileishmanic					
Antioxidant					
Antiseptic 5.2 x phenol					
Antishock	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Antispasmodic					
Antitumor					
Antitumor (Colon)					
Antitumor (Liver)					
Antitumor (Skin)					
Antiulcer					
Antiviral					
Apoptotic					
Barbituate-Synergist					
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
Calcium-Antagonist					
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Carcinogenic					
Caspase-3-Inducer					
Chemopreventive					
Cytotoxic					
Estrogenic					
Expectorant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.				
FLavor FEMA 4-170	Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry				
Fungicide MIC 625 ug/ml					
Glaucomagenic					
Glutathionigenic					
Herbicide IC50=115 uM	Keeler, R.F. and Tu, A.T. eds. 1991. Toxicology of Plant and Fungal Compounds. (Handbook of Natural Toxins Vol. 6) Marcel Dekker, Inc. NY. 665 pp.				
Myorelaxant 200 mg/kg					
NF-kB-Inhibitor					
NO-Inhibitor					
Nematicide IC52=100 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.				
Nematicide MLC=100-260 ug/ml	Shoyakugaku Zasshi, 44: 183.				
P450-2B1-Inhibitor IC50=1.19 uM					
Perfumery	Merck 11th Edition				
Pesticide					
Prostatitogenic 185 mg/kg/day/3 ms					
Sedative ED 1-32 mg/kg	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)				
Sedative 1 mg/kg					
Teratogenic					
Trichomonicide LD100=150 ug/ml					
Trypanocide					
Tyrosinase-Inhibitor ID50=1.5 mM					
Tyrosinase-Inhibitor ID50=1,500 uM					

EO	Stem	--	50.0	-0.49	Wealth of India.
EO	Root	--	50.0	-0.65	Wealth of India.
EO	Leaf	--	250.0	-0.99	Wealth of India.
EO	Flower	--	700.0	-0.4	Wealth of India.
GERAINIC-ACID	Plant	--	--		Wealth of India.

Activities (2)

Calcium-Antagonist ivn dog

Calcium-Antagonist 50 uM